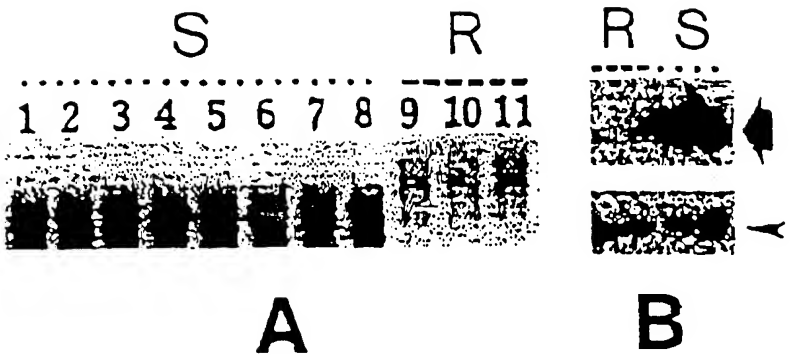

FIGURE 1

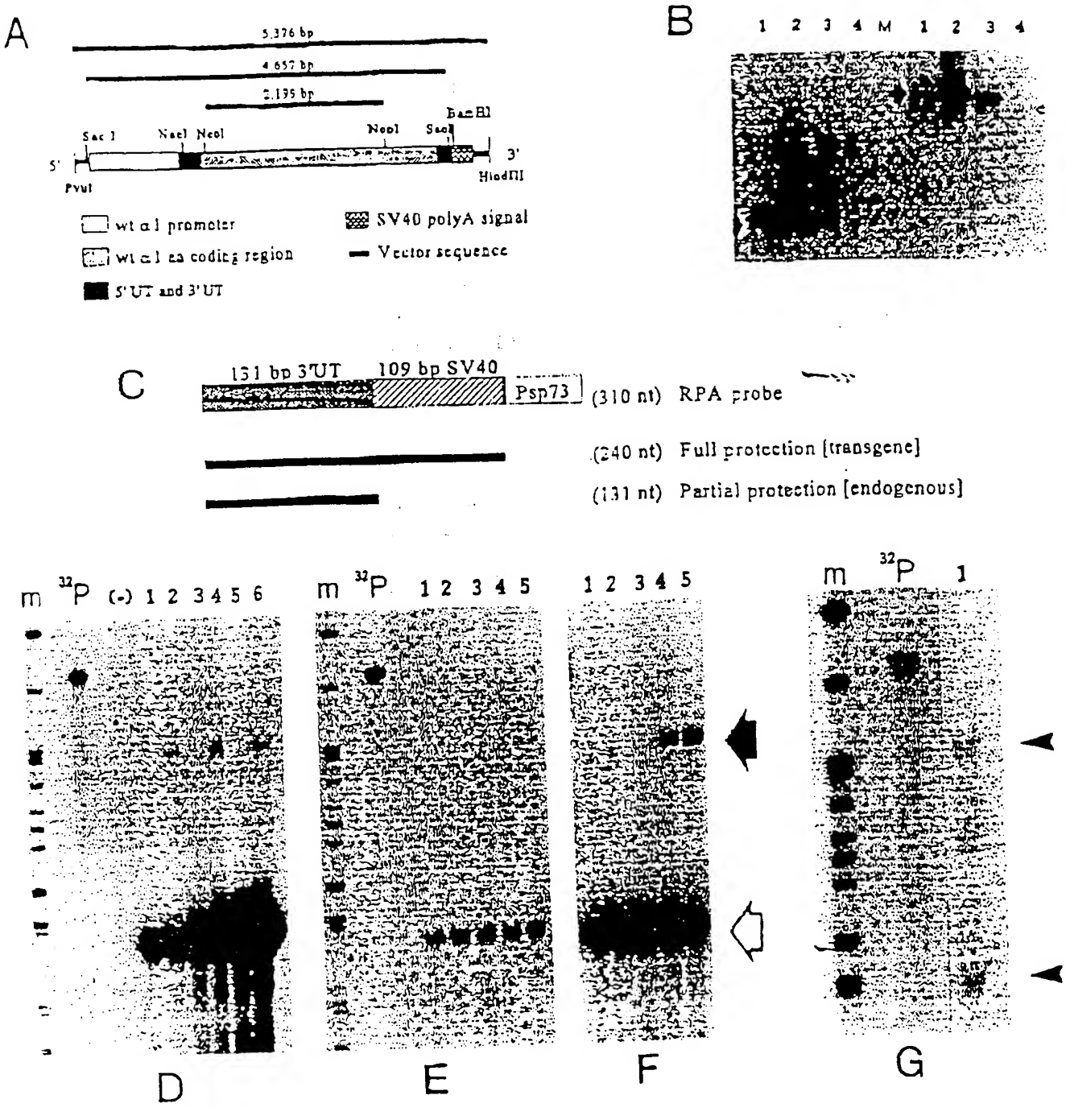
A
5.376 bp
4.657 bp
2.195 bp
BamHI
Sac I
NaeI NcoI
NcoI
SacI
5'
3'
PvuI
HindIII
wt α 1 promoter
wt α 1 ea coding region
5'UT and 3'UT
SV40 polyA signal
Vector sequence
B
1 2 3 4 M 1 2 3 4
C
131 bp 3'UT
109 bp SV40
Psp73
(310 nt) RPA probe
(240 nt) Full protection [transgene]
(131 nt) Partial protection [endogenous]
m 32P (-) 1 2 3 4 5 6
m 32P 1 2 3 4 5
1 2 3 4 5
m 32P 1
D
E
F
G

FIGURE 2

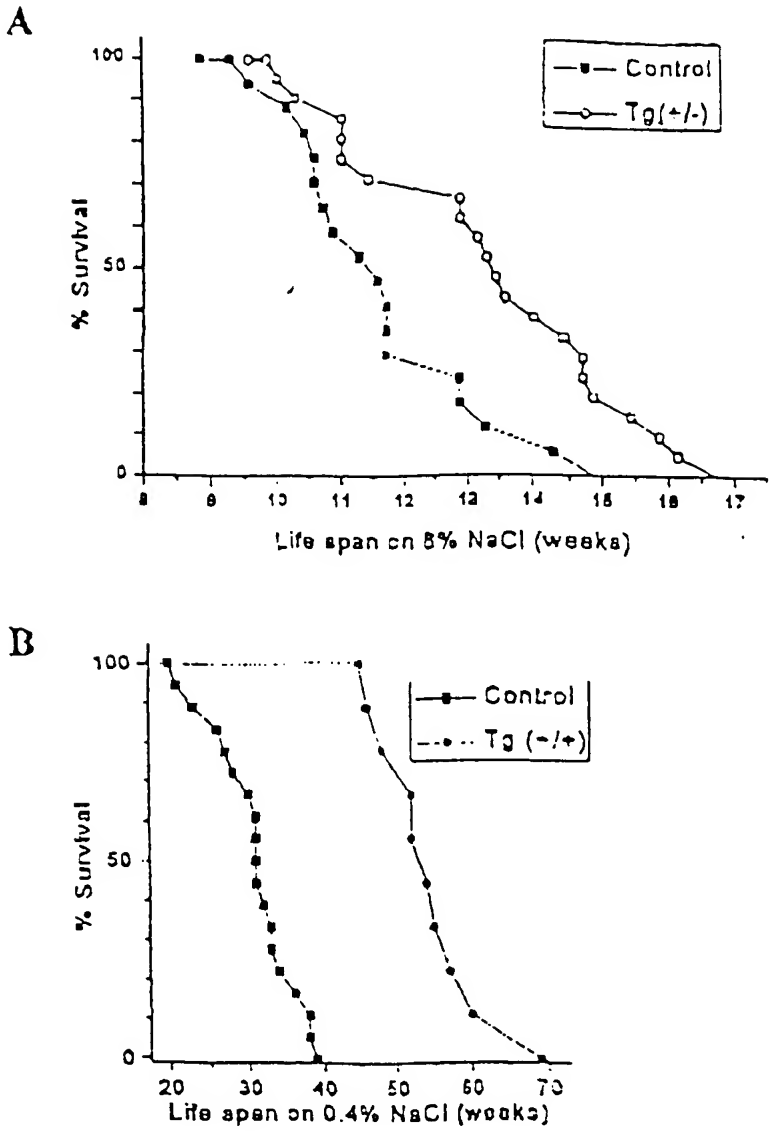
A
100
50
0
% Survival
Control
Tg(+/-)
Life span on 8% NaCl (weeks)
B
100
50
0
% Survival
Control
Tg (-/+)
20
30
40
50
60
70
Life span on 0.4% NaCl (weeks)

FIGURE 3

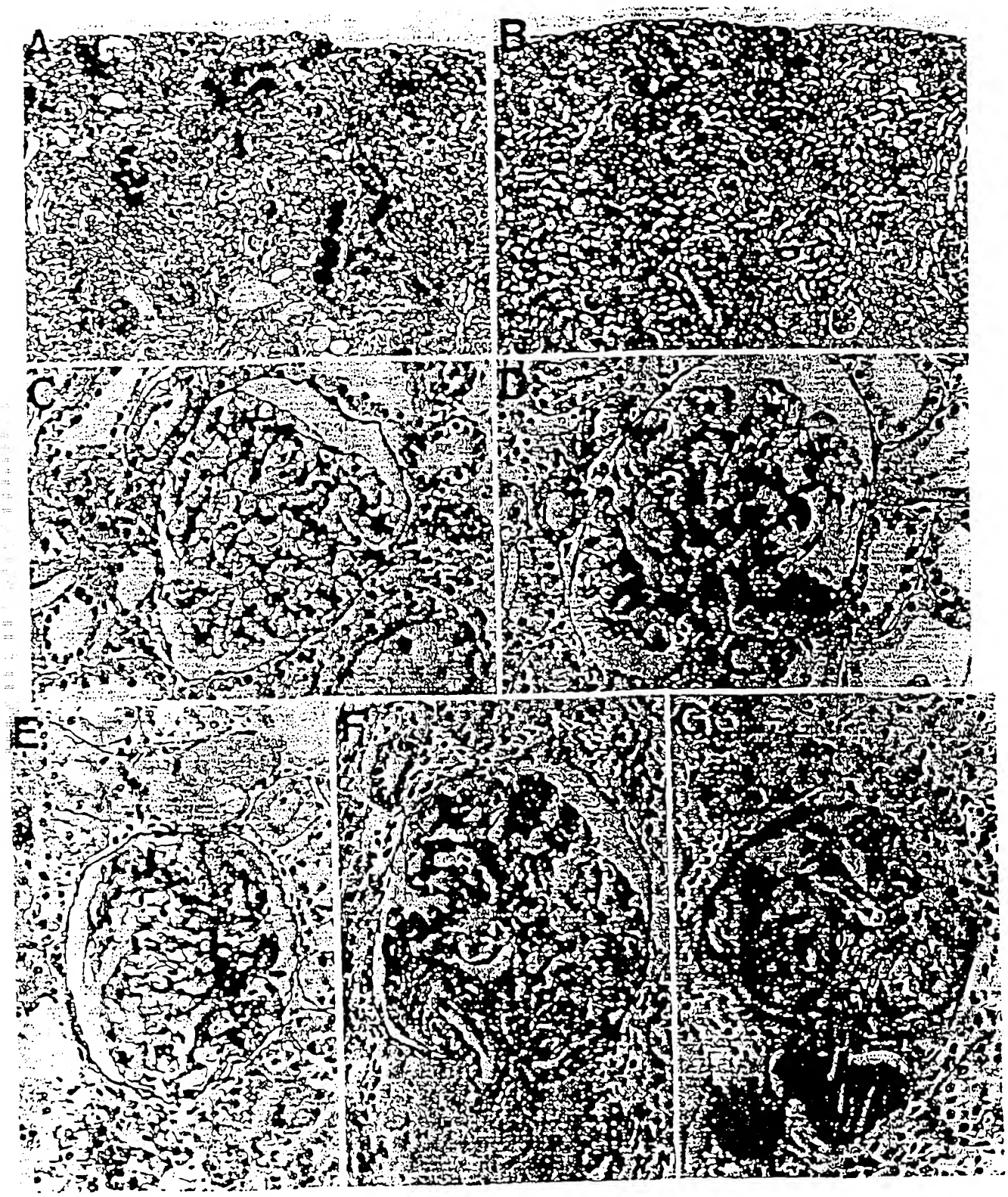

FIGURE 4

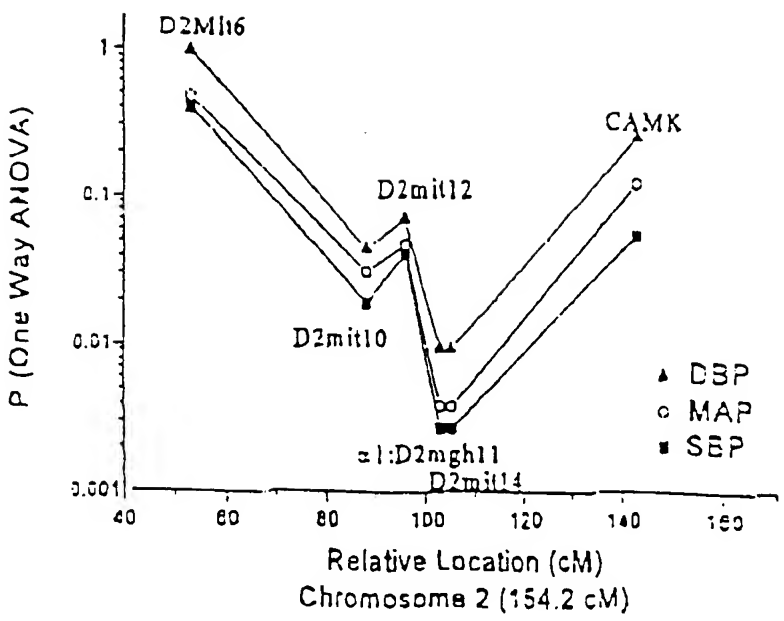
D2Mit6
CAMK
D2mit12
D2mit10
DBP
MAP
SBP
=1:D2mgh11
D2mit14
P (One Way ANOVA)
1
0.1
0.01
0.001
40
60
80
100
120
140
160
Relative Location (cM)
Chromosome 2 (154.2 cM)

FIGURE 5